



INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(Use several sheets if necessary)

ATTY. DOCKET NO.
LKS94-05A2Z

SERIAL NO.
08/963,656

APPLICANT
Craig J. Gerard, et al.

FILING DATE
November 3, 1997

GROUP
1801 1646

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE IF APPROPRIATE |
|------------------|----|-----------------|----------|--------------------|-------|-----------|----------------------------|
| PM | AA | 5,284,746 | 02/08/94 | Sledziewski et al. | 435 | 6 | |
| PM | AB | 5,652,133 | 07/29/97 | Murphy, P.M. | 435 | 325 | 01/28/93 |
| PM | AC | 5,225,538 | 07/06/93 | Capon et al. | 530 | 381.3 | |
| | AD | | | | | | |
| | AE | | | | | | |
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FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION YES NO |
|----|----|------------------|----------|---------|-------|-----------|--------------------|
| PM | AL | WO 94/11504 | 26-05-94 | PCT | | | |
| PM | AM | WO 94/12635 | 09/06/94 | PCT | | | |
| PM | AN | EPO 0 578 962 A2 | 19/01/94 | EPO | | | |
| PM | AO | WO 94/28931 | 22/12/94 | PCT | | | |
| PM | AP | WO 94/20142 | 15/09/94 | PCT | | | |
| PM | AQ | WO 94/05695 | 17/03/94 | PCT | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----|----|--------------------------------------------------------------------------------------------------------------------------------------------------|
| PM | AR | Springer, Timothy A., "Traffic Signals for Lymphocyte Recirculation and Leukocyte Emigration: The Multistep Paradigm", Cell, 76:301-314, (1994). |
| PM | AS | Murphy, Philip M., "The Molecular Biology of Leukocyte Chemoattractant Receptors", Annu. Rev. Immunol., 12:593-633 (1994). |
| PM | AT | Baggiolini M., and Dahinden Clemens A., "CC chemokines in allergic inflammation", Immunology Today, 15(3):127-133, (1994). |

EXAMINER

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DATE CONSIDERED

12/7/98

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| S P T O 11/13/98 PTO-1449 7-80) | | ATTY. DOCKET NO. LKS94-05A2Z | SERIAL NO. 08/963,656 |
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|--------------------------|----|-----------------|------|------|-------|---------------|-------------------------------|
| | AA | | | | | | |
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FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION YES NO |
|----|-----|-----------------|----------|---------|-------|---------------|-----------------------|
| PM | AL2 | EP 0 475 746 A1 | 18/03/92 | EPO | | | |
| PM | AM2 | WO 92/01810 | 06/02/92 | PCT | | | |
| PM | AN2 | WO 95/08576 | 30/03/95 | PCT | | X | |
| PM | AO2 | WO 95/31467 | 16/05/94 | PCT | | | |
| PM | AP2 | DE 43 32 256 C1 | 22/09/93 | German | | X | |
| PM | AQ2 | WO 97/21812 | 06/19/97 | PCT | | | |
| PM | AL3 | WO 97/22698 | 06/26/97 | PCT | | | |
| PM | AM3 | WO 96/22371 | 07/25/97 | PCT | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PM | AU | Gerard N.P., and Gerard, C., "The chemotactic receptor for human C5a anaphylatoxin", <i>Nature</i> , 349:614-617, (1991). |
| PM | AV | Neote, K., et al., "Molecular Cloning, Functional Expression, and Signaling Characteristics of a C-C Chemokine Receptor", <i>Cell</i> , 72:415-425, (1993). |
| PM | AW | Gao, J-L., et al., "Structure and Functional Expression of the Human Macrophage Inflammatory Protein 1 α /RANTES Receptor", <i>J. of Exp. Med.</i> , 177:1421-1427, (1993). |

EXAMINER

Preme Meng

DATE CONSIDERED

12/1/98

| <p>86/10410 04/80 U.S. PTO</p> <p>INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)</p> | | | ATTY. DOCKET NO. LKS94-05A2Z | | SERIAL NO. 08/963,656 | | |
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| | | | APPLICANT Craig J. Gerard et al. | | | | |
| | | | FILING DATE November 3, 1997 | GROUP 1001-1646 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAM- INER INI- TIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| PM | AX | Charo, I.F., et al., "Molecular cloning and functional expression of two monocyte chemoattractant protein 1 receptors reveals alternative splicing of the carboxyl-terminal tails", <i>Proc. Natl. Acad. Sci. USA</i> , 91:2752-2756 (1994). | | | | | |
| PM | AY | Van Riper, G., et al., "Induction, Characterization, and Functional Coupling of the High Affinity Chemokine Receptor for RANTES and Macrophage Inflammatory Protein-1 α upon Differentiation of an Eosinophilic HL-60 Cell Line", <i>J. of Immunol.</i> , 152:4055-4061 (1994). | | | | | |
| PM | AZ | Bischoff, S.C., et al., "RANTES and related chemokines activate human basophil granulocytes through different G protein-coupled receptors", <i>Eur. J. Immunol.</i> , 23:761-767, (1993). | | | | | |
| PM | AR1 | Dahinden, C.A., et al., "Monocyte Chemotactic Protein 3 Is a Most Effective Basophil- and Eosinophil-activating Chemokine", <i>J. Exp. Med.</i> , 179:751-756 (1994). | | | | | |
| PM | AS1 | Lefkowitz, R.J., "Turned on to ill effect", <i>Nature</i> , 365:603-604, (1993). | | | | | |
| PM | AT1 | Clapham, D.E., "Mutations in G Protein-Linked Receptors" Novel Insights on Disease", <i>Cell</i> , 75:1237-1239, (1993). | | | | | |
| PM | AU1 | Ponath, P.D., "C-C Chemokine Receptor 3: Identification of a Major Eosinophil Chemotactic Cytokine Receptor", In: Conference Schedule for conference entitled "On the Cutting Edge of Anti-Inflammatory Drug Discovery", (January, 1995). | | | | | |
| PM | AV1 | Combadiere, C., et al., "Cloning and Functional Expression of a Human Eosinophil CC Chemokine Receptor", <i>J. of Biol. Chem.</i> , 270(27):16491-16494, (1995). | | | | | |
| EXAMINER <i>Prema Menon</i> | | | DATE CONSIDERED <i>12/7/98</i> | | | | |

| FORM PTO-1449 (Rev. 7-80) INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) | | | ATTY. DOCKET NO. LKS94-05A2Z | | SERIAL NO. 08/963,656 | | |
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| U.S. PATENT DOCUMENTS | | | | | | | |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| PM | AW1 | Combadiere, C., et al., <u>Correction</u> , "Cloning and functional expression of a human Eosinophil CC Chemokine Receptor", <i>J. Biol. Chem.</i> , 270:30235, (1995). | | | | | |
| PM | AX1 | Post, T.W., et al., "Molecular Characterization of Two Murine Eosinophil β Chemokine Receptors", <i>J. of Immunol.</i> , 155:5299-5305, (1995). | | | | | |
| PM | AY1 | Gao, J-L., and Murphy, P.M., "Cloning and Differential Tissue-specific Expression of Three Mouse β Chemokine Receptor-like Genes, Including the Gene for a Functional Macrophage Inflammatory Protein-1 α Receptor", <i>J. of Biol. Chem.</i> , 270(29):17494-17501, (1995). | | | | | |
| PM | AZ1 | Ponath, P.D., et al., "Molecular Cloning and Characterization of a Human Eotaxin Receptor Expressed Selectively on Eosinophils", <i>J. Exp. Med.</i> , 183:2437-2448, (1996). | | | | | |
| PM | AR2 | Daugherty B.L., et al., "Cloning, Expression, and Characterization of the Human Eosinophil Eotaxin Receptor", <i>J. Exp. Med.</i> , 183:2349-2354, (1996). | | | | | |
| PM | AS2 | Kitaura, M., et al., "Molecular Cloning of Human Eotaxin, an Eosinophil-selective CC Chemokine, and Identification of a Specific Eosinophil Eotaxin Receptor, CC Chemokine Receptor 3", <i>J. of Biol. Chem.</i> , 271(13):7725-7730, (1996). | | | | | |
| PM | AT2 | Jose, P.J., et al., "Eotaxin: A Potent Eosinophil Chemoattractant Cytokine Detected in a Guinea Pig Model of Allergic Airways Inflammation", <i>J. Exp. Med.</i> , 179:881-887, (1994). | | | | | |
| PM | AU2 | Fürster, R., et al., "A general method for screening mAbs specific for G-protein coupled receptors as exemplified by using epitope tagged BLR1-transfected 293 cells and solid-phase cell ELISA", <i>Biochem. and Biophys. Res. Comm.</i> , 196(3):1496-1503, (1993). | | | | | |
| EXAMINER <i>Premal Meny</i> | | | DATE CONSIDERED <i>12/1/98</i> | | | | |

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|  FORM 1449 SF 1-90 U.S. PTO INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) | ATTY. DOCKET NO. LKS94-05A2Z | SERIAL NO. 08/963,656 | |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PM | AV2 | Ponath, P.D., et al., "Cloning of the Human Eosinophil Chemoattractant, Eotaxin Expression, Receptor Binding, and Functional Properties Suggest a Mechanism for the Selective Recruitment of Eosinophils", <i>Jour. of Clinical Invest.</i> , 97(3):604-612, (1996). |
| PM | AW2 | Chaudhuri, A., et al., "Expression of the Duffy antigen in K562 Cells", <i>J. Biol. Chem.</i> , 269(11):7835-7838, (1994). |
| PM | AX2 | Szigeti, V., and Miller R.H., "A Cell Surface Antigen Expressed by Astrocytes and Their Precursors," <i>GLIA</i> , 8:20-32 (1993). |
| PM | AY2 | Gillaspy, G.E., et al., "Antigenic and Differentiative Heterogeneity Among Human Glioblastomas," <i>Cancer Letters</i> , 68:215-224 (1993). |
| PM | AZ2 | Lyon, J.A., et al., "Monoclonal Antibody Characterization of the 195-Kilodalton Major Surface Glycoprotein of <i>Plasmodium falciparum</i> Malaria Schizonts and Merozoites: Identification of Additional Processed Products and a Serotype-Restricted Repetitive Epitope," <i>J. Immunol.</i> , 138(3):895-901 (1987). |
| PM | AR3 | Forssmann, U., et al., "Eotaxin-2, a Novel CC Chemokine that is Selective for the Chemokine Receptor CCR3, and Acts Like Eotaxin on Human Eosinophil and Basophil Leukocytes," <i>J. Exp. Med.</i> , 185(12):2171-2176 (1997). |
| PM | AS3 | Heath, H., et al., "Chemokine Receptor Usage by Human Eosinophils," <i>J. Clin. Invest.</i> , 99(2):178-184 (1997). |
| PM | | |

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DATE CONSIDERED

12/1/98